

Listing and Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

1 1. (previously presented) A process for automatically adjusting a time
2 period of a time slot duration in a communication channel, comprising the steps
3 of:

4 determining whether data are being transmitted in a time slot in said
5 communication channel;

6 adjusting said time slot duration to a first time period if said data are not
7 being transmitted in said time slot; and

8 adjusting said time slot duration to a second time period if said data are
9 being transmitted in said time slot.

1 2. (previously presented) The process of claim 1, wherein said second
2 time period is greater than said first time period.

1 3. (previously presented) The process of claim 1, further comprising the
2 step of determining whether the data being transmitted comprises a particular
3 packet type.

1 4. (previously presented) A process for automatically adjusting a time
2 period of a time slot duration in a communication channel, comprising the steps
3 of:

4 determining whether data are being transmitted in a time slot in said
5 communication channel;

6 determining whether the data being transmitted comprises a particular
7 packet type;

adjusting said time slot duration to a first time period if the data are not being transmitted in said time slot;

adjusting said time slot duration to a second time period if the data are being transmitted in said time slot; and

adjusting said time slot duration to a third time period, if said data comprises a particular packet type.

5. (previously presented) The process of claim 4, wherein said second time period is greater than said first time period.

6. (previously presented) The process of claim 5, wherein said third time period is greater than said first time period.

7. (previously presented) A process of automatically adjusting a time period of a time slot duration in a data channel, comprising the steps of:

determining content of a time slot in said data channel; and

adjusting the time slot duration of the time slot in response to the content of the time slot.

8. (currently amended) The process of claim 7, wherein if the content is not a caller ID packet, the adjusting step increases ~~further comprising the step of increasing said time slot duration of said time slot when a particular packet type is being transmitted in said time slot.~~

9. (currently amended) The process of claim 7, wherein if the content is a caller ID packet, the adjusting step increases ~~further comprising the step of~~

3 increasing said time slot duration of said time slot ~~when a particular packet type~~
4 ~~is being transmitted in said time slot.~~

1 10. (currently amended) The process of claim 7, wherein if the content
2 does not include any data, the adjusting step decreases further comprising the
3 ~~step of decreasing said time slot duration of said time slot when no data are~~
4 ~~being transmitted in said time slot.~~

1 11. (previously presented) A system for communicating data among
2 different units, comprising:

3 a data channel having a plurality of time slots for transmitting and
4 receiving data;

5 each unit comprising a microprocessor coupled to said data channel for
6 monitoring and processing data; and

7 said microprocessor adjusting a time slot duration of one of said time
8 slots depending on content of the time slot.

1 12. (previously presented) The system of claim 11, wherein said
2 microprocessor adjusts the time slot duration to a first time period if the data
3 are not transmitted, and adjusts the time slot duration to a second time period if
4 data are being transmitted.

1 13. (previously presented) The system of claim 12, wherein said second
2 time period is greater than said first time period.

1 14. (previously presented) The system of claim 12, wherein said
2 microprocessor further determining whether the data being transmitted
3 comprise a particular packet type.

1 15. (previously presented) A system for communicating data among
2 different units, comprising:

3 a data channel having a plurality of time slots for transmitting and
4 receiving data;

5 each unit comprising a microprocessor coupled to said data channel for
6 monitoring and processing data;

7 said microprocessor adjusting a time slot duration of one of said time
8 slots depending on content of the time slot;

9 wherein said microprocessor adjusts the time slot duration to a first time
10 period if the data are not transmitted, and adjusts the time slot duration to a
11 second time period if data are being transmitted;

12 wherein said microprocessor further determines whether the data being
13 transmitted comprise a particular packet type; and

14 wherein said microprocessor adjusts said time slot duration to a third time
15 period, if the data comprise said particular packet type.

1 16. (previously presented) The system of claim 15, wherein said second
2 time period is greater than said first time period.

1 17. (previously presented) The system of claim 16, wherein said third
2 time period is greater than said first time period.